Deciphering the impact of change on the driftwood cycle: contribution to the study of human use of wood in the Arctic
C. Alix 83
Gender-specific out-migration, deforestation and urbanization in the Ecuadorian Amazon
A.F. Barbieri and D.L. Carr 99
Modelling agricultural nitrogen contributions to the Jiulong River estuary and coastal water
W. Cao, H. Hong and S. Yue 111
Living and dying with glaciers: people's historical vulnerability to avalanches and outburst floods in Peru
M. Carey 122
Past 100 ky surface salinity-gradient response in the Eastern Arabian Sea to the summer monsoon variation recorded by $\delta^{18}O$ of *G. sacculifer*
A.R. Chodankar, V.K. Banakar and T. Oba 135
Measuring the economic impact of climate change on major South African field crops: a Ricardian approach
G.A. Gbetibouo and R.M. Hassan 143
Climatic and biological simulations in a two-way coupled atmosphere–biosphere model (CABM)
L. Dan, J. Ji and Y. Li 153
Agricultural impacts on ecosystem functioning in temperate areas of North and South America
J.P. Guerschman and J.M. Paruelo 170
Phytochemical changes in leaves of subtropical grasses and fynbos shrubs at elevated atmospheric CO_2 concentrations
D. Hattas, W.D. Stock, W.T. Mabusela and I.R. Green 181
An ecological economics framework for assessing environmental flows: the case of inter-basin water transfers in Lesotho
M. Matete and R. Hassan 193
Greenhouse gas emissions from a managed grassland
S.K. Jones, R.M. Rees, U.M. Skiba and B.C. Ball 201
Variability of reference evapotranspiration and water demands. Association to ENSO in the Maipo river basin, Chile
F.J. Meza 212
Climate variability, vegetation productivity and people at risk
C. Milesi, H. Hashimoto, S.W. Running and R.R. Nemani 221
The use of a multilevel statistical model to analyze factors influencing land use: a study of the Ecuadorian Amazon
W.K.Y. Pan and R.E. Bilsborrow 232
Improving the methodology for assessing natural hazard impacts
A. Patwardhan and U. Sharma 253
Stabilization and global climate policy
M.C. Sarofim, C.E. Forest, D.M. Reiner and J.M. Reilly 266
Mitigation of climate change impacts on raptors by behavioural adaptation: ecological buffering mechanisms
M.C. Wichmann, J. Groeneveld, F. Jeltsch and V. Grimm 273
Longitudinal variation of radial growth at Alaska's northern treeline—recent changes and possible scenarios for the 21st century
M. Wilmking and G.P. Juday 282
Mid–late Holocene monsoon climate retrieved from seasonal Sr/Ca and $\delta^{18}O$ records of *Porites lutea* corals at Leizhou Peninsula, northern coast of South China Sea
K.-F. Yu, J.-X. Zhao, G.-J. Wei, X.-R. Cheng and P.-X. Wang. 301

Author Index, Volume 47 317

Contents Volume 47, 2005 321

Vol. 47
Iss. 1
MAY
2005